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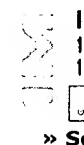
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 As applications enabled by the Internet become information rich, ensuring access to quality information in the presence of potentially malicious entities will be a major challenge. Denial of information (DoI) attacks attempt to degrade the quality of information by deliberately introducing noise that appears to be useful information. The

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5 Intrusion detection in wireless ad-hoc networks 80%



Yongguang Zhang , Wenke Lee

Proceedings of the 6th annual international conference on Mobile computing and networking August 2000

As the recent denial-of-service attacks on several major Internet sites have shown us, no open computer network is immune from intrusions. The wireless ad-hoc network is particularly vulnerable due to its features of open medium, dynamic changing topology, cooperative algorithms, lack of centralized monitoring and management point, and lack of a clear line of defense. Many of the intrusion detection techniques developed on a fixed wired network are not applicable in this new environment. Ho ...

6 Simple, state-based approaches to program-based anomaly detection 80%



C. C. Michael , Anup Ghosh

ACM Transactions on Information and System Security (TISSEC) August 2002
Volume 5 Issue 3

This article describes variants of two state-based intrusion detection algorithms from Michael and Ghosh [2000] and Ghosh et al. [2000], and gives experimental results on their performance. The algorithms detect anomalies in execution audit data. One is a simply constructed finite-state machine, and the other two monitor statistical deviations from normal program behavior. The performance of these algorithms is evaluated as a function of the amount of available training data, and they are compar ...

7 Network security and intrusion detection: A methodology to detect 77%
temporal regularities in user behavior for anomaly detection

Alexandr Seleznyov

Proceedings of the 16th international conference on Information security: Trusted information: the new decade challenge June 2001

Network security, and intrusion detection in particular, represents an area of increased in security community over last several years. However, the majority of work in this area has been concentrated upon implementation of misuse detection systems for intrusion patterns monitoring among network traffic. In anomaly detection the classification was mainly based on statistical or sequential analysis of data often neglecting temporal events' information as well as existing relations between them. ...

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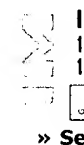
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2 Modeling system calls for intrusion detection with dynamic window
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